

# CODING FORMS FOR SRC INDEXING

Microfiche No.	OTS0570596		
New Doc ID	88-920007982	Old Doc ID	8EHQ-0892-9680
Date Produced	12/26/75	Date Received	08/28/92
		TSCA Section	8ECP
Submitting Organization	MONSANTO CO		
Contractor	YOUNGER LABORATORIES		
Document Title	INITIAL SUBMISSION: TOXICOLOGICAL INVESTIGATION OF: STEROX NFE WITH COVER LETTER DATED 081392		
Chemical Category	STEROX NFE		

8(e)

# CAP

(COMPLIANCE AUDIT PROGRAM)

9090

## TSCA CONFIDENTIAL BUSINESS INFORMATION

ORIGINAL - TDAS (BLAKE)  
COPY # 1 - CBIC (Vera)  
COPY # 2 - SCOTT SHERLOCK  
(Box in CBIC)

## COMPANY SANITIZED

ORIGINAL PUBLIC FILE  
COPY # 1 PUBLIC FILE  
COPY # 2 JIM DARR/Vivian

## CONTAINS NO CBI

ORIGINAL - PUBLIC FILE  
COPY # 1 - PUBLIC FILE  
COPY # 2 - JIM DARR/Vivian

NOTE: Peter provides data entry in CBITS for the 8(e) CAP Documents.

8EHQ - 0892 - 9680

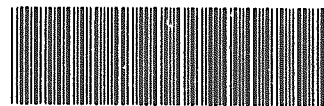
"Contains NO CRT"

**Monsanto**

Monsanto Company  
800 N. Lindbergh Boulevard  
St. Louis, Missouri 63167  
Phone: (314) 694-1000

August 13, 1992

92 AUG 28 PM 2:22



INIT 08/28/92

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88920007982

Attention: Section 8(e) Coordinator (CAP Agreement)

This submission is pursuant to the TSCA Section 8(e) Compliance Audit Program and  
CAP Agreement #8ECAP-0036.

The information included herein is characterized as follows:

Chemical Identity - POLYOXYETHYLENE ETHER OF NONYLPHENOL; STEROX NFE;  
CP 53011

Chemical CAS No. - 009016459

Information/Study Type - II,B,2,b/Acute Toxicity/Irritation Study

Information/Study Identification - Toxicological Investigation Of: Sterox NFE  
YO-75-303

Identification of Reportable Endpoint: SEVERELY IRRITATING TO SKIN AND EYES IN A  
PRIMARY IRRITATION STUDY

Previous TSCA 8(e) or PMN submissions, if any, for the reference chemical can be found in  
Appendix A.

It should be noted that this summary is not all inclusive. Therefore, it may not highlight all  
adverse effects that EPA may judge to meet TSCA 8(e) reportability. This submission/report does  
not contain confidential business information.

Sincerely,

J.R. Condray  
Director, Regulatory Management  
(314) 694-8883

PROJECT FILE

Y-75-303

CAS NO: 009016459

# YOUNGER LABORATORIES

INCORPORATED

123 CLIFF CAVE ROAD

SAINT LOUIS, MO., 63129

Toxicologic Investigation of: STEROX NFE

To: MONSANTO COMPANY

Lot Number CC 7142

St. Louis, Missouri

Project No. Y-75-303

Date: December 26th, 1975

## ACUTE ORAL TOXICITY

Species Sprague-Dawley Albino Rats

LD50 4,800 Mg/Kg 95% Confidence Limits 4,410 - 5,230 Mg/Kg

CONDITIONS Single Oral Dose - Undiluted

	Dosage Mg/Kg	Avg. Initial Weight		Mortalities/Dosed			Time of Mortality
		Male	Female	Male	Female	Combined	
1	3,160	220	230	0/2	0/3	0/5	One to four days
2	3,980	210	215	0/3	1/2	1/5	
3	5,010	220	230	1/2	2/3	3/5	
4	6,310	210	210	3/3	2/2	5/5	
5							
6							

Signs of Intoxication Reduced appetite and activity (one to three days in survivors), increasing weakness, diarrhea, collapse, and death.

Gross Autopsy  
Decedents Hemorrhagic areas of the lungs, liver discoloration, and gastrointestinal inflammation.

Survivors (14 Days) Viscera appeared normal.

## ACUTE DERMAL TOXICITY

Species New Zealand Albino Rabbits

LD50 > 1,260 Mg/Kg 95% Confidence Limits ----- Mg/Kg Exposure 24 Hours

CONDITIONS Applied Undiluted

	Dosage Mg/Kg	Initial Weight		Mortalities/Dosed			Time of Mortality
		Male	Female	Male	Female	Combined	
1	1,000	---	2.2	---	0/1	0/1	Five days Three days
2	1,260	1.8	---	0/1	---	0/1	
3	2,000	---	2.1	---	1/1	1/1	
4	3,160	1.8	---	1/1	---	1/1	
5							
6							

Signs of Intoxication Reduced appetite and activity (two to four days in survivors), increasing weakness, collapse, and death.

Gross Autopsy  
Decedents Lung hyperemia, liver discoloration, slightly enlarged gall bladder, and gastrointestinal inflammation.

Survivors (14 Days) Viscera appeared normal.

MCO 8059879

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**ACUTE EYE IRRITATION**

Irritation Score (24, 48, 72 Hour Avg.) 63.0

Classification Severe \*

Species New Zealand Albino Rabbits

Exposure 24 Hours

Dose and Conditions 0.1 Ml. Applied Undiluted / F.H.S.A.

\* F.H.S.A.: CLASSED as an Eye Irritant

Hours	1		24		48		72		120		168	
STRUCTURE	CORNEA		CONJUNCTIVAE		CORNEA		CONJUNCTIVAE		CORNEA		CONJUNCTIVAE	
Animal Number	CORNEA	IRIS	CORNEA	IRIS	CORNEA	IRIS	CORNEA	IRIS	CORNEA	IRIS	CORNEA	IRIS
1	0	0	12	40	5	20	45	5	16	60	5	14
2	0	0	12	45	5	18	45	5	18	45	5	14
3	0	0	12	40	5	18	40	5	18	60	5	18
4	0	0	12	30	5	18	30	5	14	20	5	10
5	0	0	12	45	5	18	45	5	16	45	5	14
6	0	0	10	40	5	20	40	5	14	40	5	12
Mean Score (X/110.C)	11.6		63.6		61.8		63.6		54.8		47.0	



PROJECT NO. Y-75-303

TEST MATERIAL STEROX NFE  
LOT NUMBER CC 7142

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## ACUTE EYE IRRITATION

Species New Zealand Albino Rabbits

Irritation Score (24, 48, 72 Hour Avg.) 4.9 Classification Slight  
Dose and Conditions 0.1 Ml. Applied Undiluted

Exposure 1 Minute

Hours	1			24			48			72			120			168		
STRUCTURE	CORNEA			CONJUNCTIVAE			CORNEA			CONJUNCTIVAE			CORNEA			CONJUNCTIVAE		
Animal Number																		
1	0	0	12	5	0	8	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	12	5	0	10	0	0	2	0	0	0	0	0	0	0	0	0
3	0	0	12	5	0	8	0	0	2	0	0	0	0	0	0	0	0	0
4																		
5																		
6																		
Mean Score (X/110.0)	12.0			13.6			1.3			0.0			0.0			0.0		

Comments Immediate: Discomfort was slight  
 10 Minutes: Moderate erythema, copious discharge  
 1 Hour: Moderate erythema, very slight edema, copious discharge  
 24 Hours: Areas of barely perceptible corneal dullness, moderate erythema, moderate to copious discharge  
 48 Hours: Gradual improvement  
 72 Hours: All scored zero

## PRIMARY SKIN IRRITATION

Species

Irritation Score (24, 72 Hour Avg.)

Classification

Dose and Conditions

Animal Number	HOUR SKIN	ERYTHEMA					EDEMA				
		4	24	48	72	168	4	24	48	72	168
1		I A	I A	I A	I A	I A	I A	I A	I A	I A	I A
2											
3											
4											
5											
6											

Comments

## INHALATION TOXICITY

Species

Mortality ..... Initial sample ..... g Chamber temperature ... °C  
 Concentration ..... Mg/L Recovered sample.... g Chamber humidity ..... %  
 Exposure ..... Hrs Condensed sample ... g Chamber volume ..... L  
 Sample temperature ... °C Vaporized sample.... g Air flow rate ..... L/Min

Signs of Intoxication

Gross Autopsy  
Decedents

Survivors ( Days)

MCO 8059878

Test Method Reference A.T.S. 8/73

Submitted by:

MELVIN D. BIRCH

YOUNGER LABORATORIES, INC.

# YOUNGER LABORATORIES

INCORPORATED

123 CLIFF CAVE ROAD

SAINT LOUIS, MO., 63129

Toxicologic Investigation of: **STEROX NFE**

To: **MONSANTO COMPANY**

Lot Number **CC 7142**

**St. Louis, Missouri**

Project No. **Y-75-303**

Date: **December 26th, 1975**

ACUTE ORAL TOXICITY				Species	
LD50 CONDITIONS	Mg/Kg	95% Confidence Limits		Mg/Kg	
Dosage Mg/Kg	Avg. Initial Weight Male Female		Mortalities/Dosed Male Female Combined		Time of Mortality
1					
2					
3					
4					
5					
6					
Signs of Intoxication					
Gross Autopsy Decedents					
Survivors (      Days)					

ACUTE DERMAL TOXICITY				Species		
LD50 CONDITIONS	Mg/Kg	95% Confidence Limits		Mg/Kg		Exposure
Dosage Mg/Kg	Initial Weight Male Female		Mortalities/Dosed Male Female Combined		Time of Mortality	
1						
2						
3						
4						
5						
6						
Signs of Intoxication						
Gross Autopsy Decedents						
Survivors (      Days)						

**MCO 8059877**

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